

Utilities All Projects

Stafford County FY17 Proposed Budget

Projects	Prior Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total CIP (FY17-26)	Later Years Funding	Total Project Cost
Water Projects	\$6,341,000	\$1,506,000	\$12,332,000	\$11,706,000	\$9,439,449	\$589,000	\$6,575,477	\$19,713,195	\$8,101,983	\$690,000	\$718,000	\$71,371,104	\$0	\$77,712,104
Wastewater Projects	4,719,000	10,334,000	17,904,295	15,419,346	6,351,000	13,112,000	4,458,569	17,932,900	5,700,727	5,935,509	6,168,774	\$103,317,120	0	\$108,036,120
Both Water/Wastewater	1,268,950	1,605,800	1,818,000	2,256,000	1,476,700	895,200	1,164,800	9,778,300	745,500	613,200	585,300	\$20,938,800	0	\$22,207,750
Total	\$12,329,000	\$13,445,800	\$32,054,295	\$29,381,346	\$17,267,149	\$14,596,200	\$12,198,846	\$47,424,395	\$14,548,210	\$7,238,709	\$7,472,074	\$195,627,000	\$0	\$207,956,000

Operating Impacts Summary	Existing Debt Service	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total Debt Service
Debt Service	\$7,556,214	\$494,946	\$1,579,556	\$1,575,962	\$0	\$378,147	\$179,528	\$3,189,538	\$126,486	\$0	\$0	
Total	\$7,556,214	\$8,051,160	\$9,630,716	\$11,206,678	\$11,206,678	\$11,584,825	\$11,764,353	\$14,953,890	\$15,080,376	\$15,080,376	\$15,080,376	\$15,080,376

Project Funding	Prior Funding	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total CIP (FY17-26)	Later Years Funding	Total Project Cost
Availability Funded Projects	\$2,149,000	\$1,370,500	\$3,400,500	\$564,000	\$1,356,000	\$2,830,500	\$2,514,626	\$592,000	\$4,602,983	\$640,000	\$653,000	\$18,524,109	\$0	\$20,673,109
Bond Funded Projects	9,515,000	7,214,000	18,876,295	18,833,346	0	4,519,000	2,145,426	38,116,195	1,511,557	0	0	\$91,215,819	0	\$100,730,819
ProRata Funded Projects	329,000	609,500	3,260,500	5,033,500	4,981,500	3,910,000	1,141,000	773,450	546,364	562,755	579,637	21,398,205	0	\$21,727,205
Operations /User Fees	3,386,950	4,251,800	6,517,000	4,950,500	10,929,649	3,336,700	6,397,795	7,942,750	7,887,307	6,035,955	6,239,437	64,488,892	0	\$67,875,842
Total	\$15,380,000	\$13,445,800	\$32,054,295	\$29,381,346	\$17,267,149	\$14,596,200	\$12,198,846	\$47,424,395	\$14,548,210	\$7,238,709	\$7,472,074	\$195,627,000	\$0	\$211,007,000

Utilities Water Projects

Stafford County FY17 Proposed Budget

(in millions of dollars)

Projects	Prior Funding	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Total CIP (FY17-26)	Later Years Funding	Total Project Cost
320 Zone Water Improvements	0	0	0	0	0	0	0	0	330,000	0	0	330,000	0	330,000
342 Zone Water System Imp. - Phase 1	0	0	7,800,000	7,800,000	0	0	0	0	0	0	0	15,600,000	0	15,600,000
342 Zone Water System Imp. - Phase 2	5,000,000	0	0	0	0	0	0	0	0	0	0	0	0	5,000,000
370N Water Booster Pump Station	0	0	0	120,000	1,070,000	0	0	0	0	0	0	1,190,000	0	1,190,000
Lake Mooney WTF Upgrade/Expansion	0	0	0	0	0	0	1,437,626	18,850,195	3,656,983	0	0	23,944,804	0	23,944,804
Abel Lake Dam Improvements	0	250,000	4,000,000	0	0	0	0	0	0	0	0	4,250,000	0	4,250,000
Centreport Water Tank	0	0	0	168,000	3,304,000	0	0	0	0	0	0	3,472,000	0	3,472,000
Moncure Water Booster Pump Station	0	0	105,000	1,609,000	0	0	0	0	0	0	0	1,714,000	0	1,714,000
Berea Water Tank Removal	0	200,000	0	0	0	0	0	0	0	0	0	200,000	0	200,000
Regional Water Interconnection	0	0	0	0	0	0	0	225,000	3,451,000	0	0	3,676,000	0	3,676,000
Small Water Projects	234,000	0	0	546,000	0	0	234,000	0	0	0	0	780,000	0	1,014,000
Smith Lake Distribution PS Upgrade	0	0	73,000	1,095,000	0	0	0	0	0	0	0	1,168,000	0	1,168,000
Smith Lake WTF Filter Replacements	780,000	716,000	0	0	0	0	0	0	0	0	0	716,000	0	1,496,000
Water Distribution System Rehab Program	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	385,000	2,738,000	0	2,842,000
Water Extension Projects	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	333,000	2,802,000	0	3,025,000
320 Zone Extension	0	0	0	0	774,179	0	0	0	0	0	0	774,179	0	774,179
320 Zone Elevated Storage Tank	0	0	0	0	1,845,547	0	0	0	0	0	0	1,845,547	0	1,845,547
342 Zone Piping	0	0	0	0	1,879,723	0	0	0	0	0	0	1,879,723	0	1,879,723
Truslow Road Piping	0	0	0	0	0	0	4,290,851	0	0	0	0	4,290,851	0	4,290,851
Total	\$6,341,000	\$1,506,000	\$12,332,000	\$11,706,000	\$9,439,449	\$589,000	\$6,575,477	\$19,713,195	\$8,101,983	\$690,000	\$718,000	\$71,371,104	\$0	\$77,712,104

320 ZONE WATER IMPROVEMENTS

Total Project Cost: \$330,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

Replacement of 1,540 feet of 8" water line with a 12" line.



OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends replacing the existing 8" line along Route 3 from Cool Spring Road to Ferry Road with a 12" line to improve fire flows and water service.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	27,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	303,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	330,000	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

342 ZONE WATER SYSTEM IMPROVEMENTS - PHASE 1

Total Project Cost: \$15,600,000 **Est. Opening Date:** 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

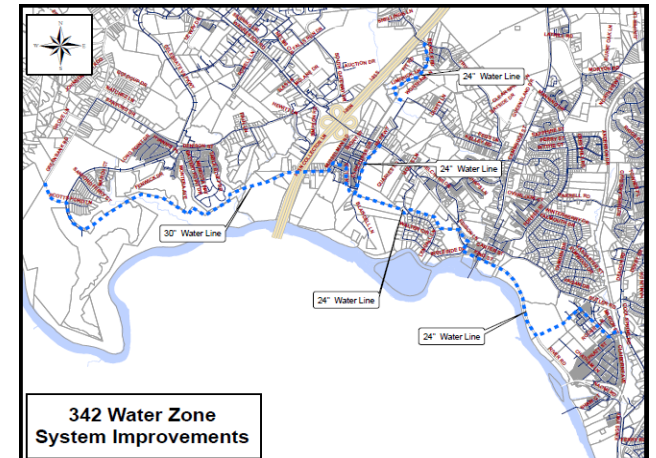
PROGRAM DESCRIPTION

The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Lake Mooney WTF as well as replacement of older undersized water lines in the 342 water pressure zone to facilitate the transfer of water into the water distribution system. The project consists of 3 phases; phase 3 was started in FY14. Phase 1 - construction of 15,300 feet of 24-inch water line to the east from Olde Forge Drive along Warrenton Road and Butler Road to Cool Spring Road and along Beagle Road, south of Truslow Road. Phase 2 - 17,600 feet of 30-inch water line from the intersection of Sanford Drive and Greenbank Road to the intersection of Olde Forge Drive and Warrenton Road.

OPERATING IMPACT SUMMARY

These improvements are critical to get water from the new Rocky Pen Run WTF into the distribution system as well as to provide adequate piping to transfer water as needed throughout the pressure zone. The project will be partially funded with water and sewer revenue bonds.

PROJECT COSTS



Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	7,800,000	7,800,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$7,800,000	\$7,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	7,800,000	7,800,000	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$7,800,000	\$7,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	478,854	957,708	957,708	957,708	957,708	957,708	957,708	957,708
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$478,854	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708

342 ZONE WATER SYSTEM IMPROVEMENTS - PHASE 2

Total Project Cost: \$5,000,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

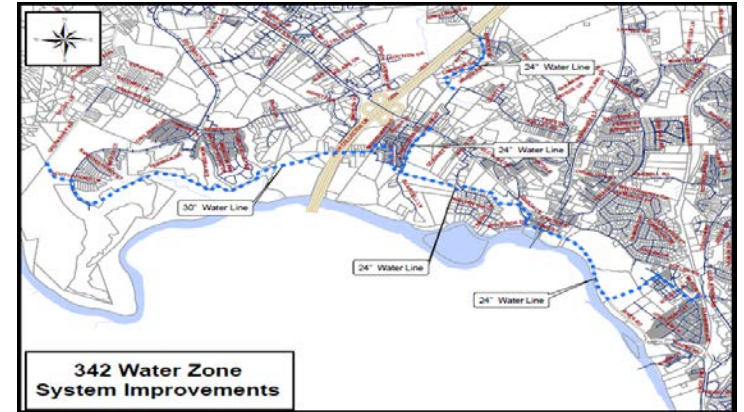
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Lake Mooney WTF as well as replacement of older undersized water lines in the 342 water pressure zone to facilitate the transfer of water into the water distribution system. The project consists of 3 phases; phase3 was started in FY14.

Phase 1 - construction of 15,300 feet of 24-inch water line to the east from Olde Forge Drive along Warrenton Road and Butler Road to Cool Spring Road and along Beagle Road, south of Truslow Road

Phase 2 - 17,600 feet of 30-inch water line from the intersection of Sanford Drive and Greenbank Road to the intersection of Olde Forge Drive and Warrenton Road



OPERATING IMPACT SUMMARY

These improvements are critical to get water from the new Rocky Pen Run WTF into the distribution system as well as to provide adequate piping to transfer water as needed throughout the pressure zone. The project will be partially funded with water and sewer revenue bonds.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	5,000,000	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	5,000,000	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

370N WATER BOOSTER PUMP STATION

Total Project Cost: \$1,190,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Construction of a 2.0 million gallons per day water pump station near Mountain View Road and Centreport Parkway to move water from the 342 water pressure zone to the 370N water pressure zone.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends the construction of a new water booster pump station after completion of the Lake Mooney Water Treatment Facility to move water into the 370N water pressure zone. (Project 370N-201)

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	120,000	1,070,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$120,000	\$1,070,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	60,000	535,000	0	0	0	0	0	0
Availability Fees	0	0	0	60,000	535,000	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$120,000	\$1,070,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

LAKE MOONEY WTF UPGRADE AND EXPANSION

Total Project Cost: \$23,944,804

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

This project will expand the Lake Mooney Water Treatment Facility by constructing an addition to the process building to house additional Super Pulsator Filters and other equipment. Also, additional filter modules will be added to increase the water production capacity to 15 or 20 million gallons per day. Prior to proceeding with this project, a more current analysis will be made to determine whether expansion of Lake Mooney or replacement of the Abel Lake Water Treatment Facility is the better course of action given the circumstances at the time.

OPERATING IMPACT SUMMARY

Project will provide additional water treatment capacity necessary to continue to meet average and peak day water demands.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	1,437,626	18,850,195	3,656,983	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,437,626	\$18,850,195	\$3,656,983	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	18,850,195	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	1,437,626	0	3,656,983	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,437,626	\$18,850,195	\$3,656,983	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	1,157,243	1,157,243	1,157,243
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,157,243	\$1,157,243	\$1,157,243

ABEL LAKE DAM IMPROVEMENTS

Total Project Cost: \$4,250,000

Est. Opening Date: 2018

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Due to changes in the State Code relating to Inundation Zones, State Mandates require that we improve the spillways of the Abel Lake dam to eliminate the possibility of erosion during a Maximum Probable Flow event. This includes design and recommendations for armoring the spillway and construction of the recommended improvements. These improvements will be required as a part of our Certificate to Operate the dam. This source of water will be required sometime between 2025 and 2030; therefore, it is important to maintain this dam and water source.

OPERATING IMPACT SUMMARY

The purpose of this project is to meet required federal regulations.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	250,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	4,000,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$250,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	4,000,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	250,000	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$250,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	245,566	245,566	245,566	245,566	245,566	245,566	245,566	245,566
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$245,566	\$245,566	\$245,566	\$245,566	\$245,566	\$245,566	\$245,566	\$245,566

CENTREPORT WATER TANK

Total Project Cost: \$3,472,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

New 1 million gallon water storage tank to be located in the Centreport area to serve the 370N water pressure zone.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Along with the new Courthouse Area Water Tank, this will provide two tanks serving the 370N water pressure zone. This will provide additional fire suppression capabilities and increased water pressure in the area around the Stafford Regional Airport and Centreport. In addition, the new tank will provide a second water storage facility for the 370N water pressure zone which will allow one tank to be taken out of service for maintenance or painting without affecting the reliability of the water distribution system.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	168,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	3,304,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$168,000	\$3,304,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	84,000	1,652,000	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	84,000	1,652,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$168,000	\$3,304,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MONCURE WATER BOOSTER PUMP STATION

Total Project Cost: \$1,714,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Upgrade of water booster pump station to meet increased water demands in the 433 and 472 water pressure zones which serve the northern part of the county as well as the Camp Barrett area of Quantico.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Upgrade will provide additional pumping capacity and pump redundancy to maintain our ability to meet increased water demands.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	105,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	1,609,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	105,000	804,500	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	804,500	0	0	0	0	0	0	0
Total	\$0	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BEREA WATER TANK REMOVAL

Total Project Cost: \$200,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

The Berea Water Tank has come to the end of its useful life and will be removed after the completion of the Celebrate Virginia Water Tank. This process will include the removal of any lead based paint before demolition.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	200,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	200,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

REGIONAL WATER INTERCONNECTION

Total Project Cost: \$3,676,000

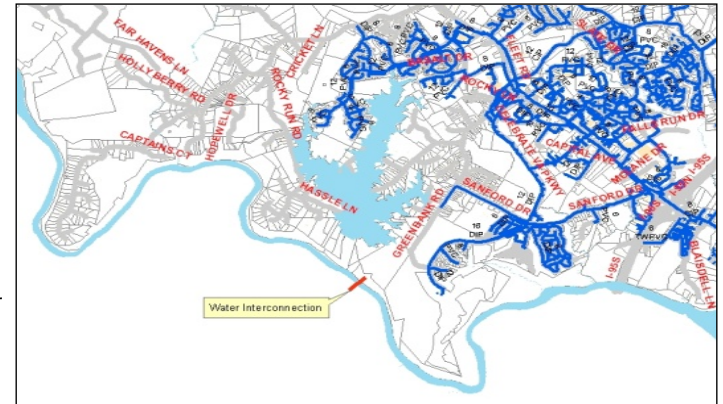
Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Emergency water interconnection with Spotsylvania County in the vicinity of the Rocky Pen Run Water Treatment Facility and the Motts Run Water Treatment Facility. This will enable the transfer of treated water from one locality to the other at up to 5 to 10 mgd. Stafford and Spotsylvania are expected to each cover 40% of the total project cost, and Fredericksburg is expected to cover the remaining 20% of the cost. This CIP project is for Stafford's 40% of the total cost.



OPERATING IMPACT SUMMARY

The project will greatly increase our capability to transfer treated water to or from Spotsylvania on an emergency basis and will enhance the reliability of each locality's water distribution system. We are currently limited to a transfer capacity of approximately 1.5 mgd through the existing Chatham and Falmouth interconnections with the City of Fredericksburg.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	225,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	3,451,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	225,000	3,451,000	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMALL WATER PROJECTS

Total Project Cost: \$1,014,000

Est. Opening Date: Various

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

1. Washington Gardens Water Line - construction of 800 feet of 12" water line to connect the 12" main on Cambridge Street to the 12" main on Lightning Maple Lane at an estimated cost of \$234,000 - FY22
2. 480/410 Zone Pressure Reducing Valves - installation of pressure reducing valve vaults to provide for transfer of water from the 480 water pressure zone to the 410 water pressure zone as needed at an estimated cost of \$546,000 - FY19

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

These projects improve fire suppression flows and provide additional water transmission capacity.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	234,000	0	0	546,000	0	0	234,000	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$234,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	117,000	0	0	273,000	0	0	117,000	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	117,000	0	0	273,000	0	0	117,000	0	0	0	0
Total	\$234,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMITH LAKE DISTRIBUTION PUMP STATION UPGRADE

Total Project Cost: \$1,168,000

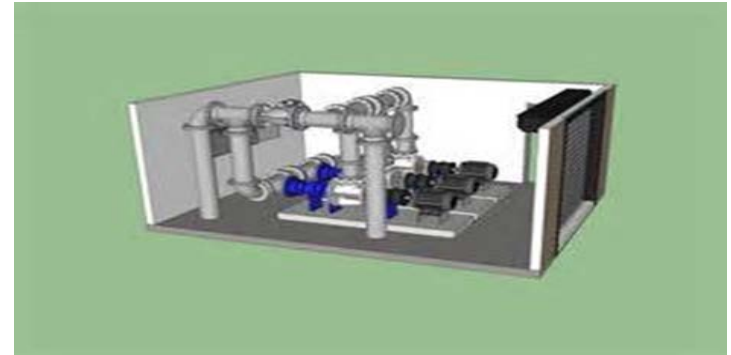
Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Upgrades to the Smith Lake Distribution Pump Station are needed due to age and also due to the need to increase the pumping capacity from 13 million gallons per day (mgd) to 15 mgd. This pump station pumps all of the water produced at the Smith Lake Water Treatment Facility out into the water distribution system.



OPERATING IMPACT SUMMARY

The upgrade of this water pump station is critical to maintaining our ability to meet water demand, even on peak usage days.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	73,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	1,095,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	36,500	547,500	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	36,500	547,500	0	0	0	0	0	0	0
Total	\$0	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMITH LAKE WATER TREATMENT FACILITY FILTER REPLACEMENTS

Total Project Cost: \$1,496,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of Greenleaf filters. The existing filters are 22 years old, and need to be replaced to maintain filtration performance.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Replacement of the existing filters should result in increased run times and reduced backwash water needs.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	780,000	716,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$780,000	\$716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	780,000	716,000	0	0	0	0	0	0	0	0	0
Total	\$780,000	\$716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WATER DISTRIBUTION SYSTEM REHABILITATION PROGRAM

Total Project Cost: \$2,842,000

Est. Opening Date: Ongoing Program

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of deteriorating, corroded and under-sized water mains to avoid pipe failures, minimize water quality complaints and enhance the ability to move water where it is needed in a timely manner. Also, installation of additional valves and fire hydrants to minimize the number of customers affected by water breaks and improve fire suppression capabilities. Will maintain water distribution system reliability and enhance fire suppression capabilities.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Improvements will avoid pipe failures and subsequent interruptions in service to our customers as well as minimize water quality complaints.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	385,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$104,000	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000	\$370,000	\$385,000

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	385,000
Total	\$104,000	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000	\$370,000	\$385,000

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WATER EXTENSION PROJECTS

Total Project Cost: \$3,025,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Short Water Extension Projects, Neighborhood Projects, and Large Scale Projects that qualify for the extension of water service under the County's Water & Sewer Line Extension Policy (R10-217).

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Provides a solution for residents with wells who may be experiencing problems with well water quantities or quality.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	333,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$333,000

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	333,000
Total	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$333,000

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

320 ZONE EXTENSION

Total Project Cost:

\$774,179

Est. Opening Date:

2020

PROGRAM DESCRIPTION

This project involves design and construction of a 16-inch main from the existing 12-inch main along Kings Highway to the proposed water storage tank along Sherwood Forest Farm Road (3,219 feet). Typically, connecting pipes serving the water tanks are at least 16-inch or larger.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

A 16-inch connecting pipe is proposed to provide flow to the 12-inch north and south of the connection on Kings Highway. The length of the water main serving the storage tank will be dependent on the location of the storage tank as determine by future siting studies.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	774,179	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$774,179	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	774,179	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$774,179	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

320 ZONE ELEVATED WATER TANK

Total Project Cost: \$1,845,547

Est. Opening Date: 2020

PROGRAM DESCRIPTION

This is a .5 Million Gallon Storage Tank on Kings Highway near Sherwood Forest Farm Road.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

The purpose of this tank is to enhance reliability and provide adequate fire flows (2,500 gpm) in the vicinity of the tank.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	1,845,547	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,845,547	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	1,845,547	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,845,547	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

342 ZONE PIPING

Total Project Cost: \$1,879,723

Est. Opening Date: 2020

PROGRAM DESCRIPTION

This project includes design and construction of a 24-inch main along RV Parkway and Beagle Road to Truslow Road (5,579 feet).

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of the project is to convey flows from the 30-inch main from Lake Mooney WTP to the 342 and 370N Zones.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	1,879,723	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,879,723	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	1,879,723	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,879,723	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

TRUSLOW ROAD PIPING

Total Project Cost: \$4,290,851

Est. Opening Date: 2022

PROGRAM DESCRIPTION

This project includes design and construction of a 24-inch water main along Truslow Road to Hulls Chapel Road (8,209 feet).

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of the project is to convey large quantities of flow from the Lake Mooney WTP to both the southern and northern zones in the water system. This project significantly increases both the reliability and flexibility of the overall system.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	4,290,851	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$4,290,851	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	2,145,426	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	2,145,426	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$4,290,851	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Utilities Wastewater

Stafford County FY17 Proposed Budget

Projects	Prior Funding	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Total CIP (FY17-26)	Later Years Funding	Total Project Cost
Claiborne Run PS Parallel Force Main	0	381,000	5,833,000	0	0	0	0	0	0	0	0	6,214,000	0	6,214,000
Claiborne Run Pump Station Replacement	0	0	405,000	6,195,000	0	0	0	0	0	0	0	6,600,000	0	6,600,000
Country Ridge Pump Station Replacement	0	0	0	0	0	0	31,000	486,000	0	0	0	517,000	0	517,000
Equipment Replacement - Aquia WWTF	965,000	1,069,000	0	0	0	0	0	0	0	0	0	1,069,000	0	2,034,000
Falls Run Pump Station Replacement	0	0	0	0	280,000	4,282,000	0	0	0	0	0	4,562,000	0	4,562,000
Falls Run Sewer Interceptor Replacement - Phase 2	1,200,000	0	362,000	5,549,000	0	0	0	0	0	0	0	5,911,000	0	7,111,000
Austin Run Gravity Sewer Replacement	0	0	0	0	314,000	4,806,000	0	0	0	0	0	5,120,000	0	5,120,000
Austn Run Gravity Sewer Rplacment through Stafford Village	85,000	300,000	0	0	0	0	0	0	0	0	0	300,000	0	385,000
Little Falls Run WWTF - 3rd Treatment Train	0	0	0	0	0	0	1,018,000	15,590,000	0	0	0	16,608,000	0	16,608,000
Olde Concord to Wayside 18" Gravity Construct	150,000	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000	0	1,350,000
Construct Lower Accokeek PS	100,000	2,300,000	0	0	0	0	0	0	0	0	0	2,300,000	0	2,400,000
18" Gravity Accokeek Creek	100,000	1,050,000	435,000	0	0	0	0	0	0	0	0	1,485,000	0	1,585,000
Lower Accokeek FM	0	200,000	1,400,000	0	0	0	0	0	0	0	0	1,600,000	0	1,600,000
8" Gravity Trunk SE	0	0	580,000	0	0	0	0	0	0	0	0	580,000	0	580,000
8" Extension of Ex Gravity	0	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Rowser 10" Gravity Line	0	0	175,000	0	0	0	0	0	0	0	0	175,000	0	175,000
Wyche Rd 12" Gravity Line	0	0	350,000	0	0	0	0	0	0	0	0	350,000	0	350,000
Venture to Wyche Rd	0	0	200,000	0	0	0	0	0	0	0	0	200,000	0	200,000
8" Ex Gravity Upstream	0	0	260,000	0	0	0	0	0	0	0	0	260,000	0	260,000
Potomac Creek Pump Station & Force Main Replacement	800,000	0	0	155,000	2,251,000	2,251,000	0	0	0	0	0	4,657,000	0	5,457,000
Sewer Extension Projects	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	320,000	2,789,000	0	3,012,000
Small Sewer Projects	347,000	438,000	0	0	0	0	0	0	0	0	0	438,000	0	785,000
Wastewater Collection System Rehabilitation Projects	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000	0	2,750,000
Wastewater Pump Station Rehabilitation Program	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000	0	2,750,000
Wastewater Pump Station Replacements	0	0	0	0	0	1,000,000	1,030,000	1,060,900	1,092,727	1,125,509	1,159,274	6,468,410	0	6,468,410
Wayside Sewer Interceptor Replacement	0	0	0	179,000	2,744,000	0	0	0	0	0	0	2,923,000	0	2,923,000
Hilldrup Pump Station	175,000	1,339,000	0	0	0	0	0	0	0	0	0	1,339,000	0	1,514,000
Hilldrup PS Force Main	74,000	1,125,000	0	0	0	0	0	0	0	0	0	1,125,000	0	1,199,000
Route 1 Sewer (Hidden Valley to Potomac Hills-5600 LF of 30")	0	200,000	3,400,000	0	0	0	0	0	0	0	0	3,600,000	0	3,600,000
Aquia Creek Force Main Replacement	0	0	0	2,589,346	0	0	0	0	0	0	0	2,589,346	0	2,589,346
Aquia Creek PS Expansion	0	0	2,762,295	0	0	0	0	0	0	0	0	2,762,295	0	2,762,295
Austin Run Interceptor Section Replacement	0	0	0	0	0	0	0	0	3,800,000	3,990,000	4,189,500	11,979,500	0	11,979,500
Camp Barrett SPS FM	0	0	0	0	0	0	1,595,569	0	0	0	0	1,595,569	0	1,595,569
Total	\$4,719,000	\$10,334,000	\$17,904,295	\$15,419,346	\$6,351,000	\$13,112,000	\$4,458,569	\$17,932,900	\$5,700,727	\$5,935,509	\$6,168,774	\$103,317,120	\$0	\$108,036,120

CLAIBORNE RUN PUMP STATION PARALLEL FORCE MAIN

Total Project Cost: \$6,214,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construction of 35,600 feet of new parallel 24-inch force main at a cost of \$150 per foot. Additional capacity needed to accommodate flows from Southern Gateway and Falmouth Redevelopment Areas as well as Urban Development Areas in southern Stafford. Provides additional wastewater pumping capacity to convey higher wastewater volumes from the southern part of the County to the Little Falls Run Wastewater Treatment Facility.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This pump station pumps all of the flow from south Stafford to the Little Falls Run Wastewater Treatment Facility. The additional force main is necessary to provide additional capacity needed to handle increased flows expected from the urban development and redevelopment areas in the southern part of the county. The project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	381,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	5,670,000	0	0	0	0	0	0	0	0
Contingency	0	0	163,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	190,500	2,916,500	0	0	0	0	0	0	0	0
Availability fees	0	190,500	2,916,500	0	0	0	0	0	0	0	0
Total	\$0	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN PUMP STATION REPLACEMENT

Total Project Cost: \$6,600,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

Replacement of existing 8.1 MGD pump station with a new 30 MGD pump station. Original pump station was constructed in 1978 and is nearing end of its useful life. Additional capacity needed to accommodate flows from Southern Gateway and Falmouth Redevelopment Areas as well as Urban Development Areas in southern Stafford. Provides additional wastewater pumping capacity to convey higher wastewater volumes from the southern part of the county to the Little Falls Run Wastewater Treatment Facility. All of the wastewater generated in south Stafford passes through this pump station on its way to the Little Falls Run Wastewater Treatment Facility.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This pump station pumps all of the flow from south Stafford to the Little Falls Run Wastewater Treatment Facility. This project is necessary to provide additional capacity needed to handle increased flows expected from the urban development and redevelopment areas in the southern part of the county. This project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	78,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	327,000	6,195,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	202,500	3,097,500	0	0	0	0	0	0	0
ProRata Fees	0	0	202,500	3,097,500	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	15,567	253,691	253,691	253,691	253,691	253,691	253,691	253,691
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$15,567	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691

COUNTRY RIDGE PUMP STATION REPLACEMENT

Total Project Cost: \$517,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of existing pump station due to condition and capacity issues. Project will include providing better access to the pump station as well as additional landscaping to minimize the station's impact on the surrounding community.



OPERATING IMPACT SUMMARY

This project will not only provide better access to the pump station, but it will enable us to enhance the site the pump station is located on to lessen any adverse impact on the surrounding homes.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	31,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	472,000	0	0	0
Contingency	0	0	0	0	0	0	0	14,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	243,000	0	0	0
Availability	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	31,000	243,000	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EQUIPMENT REPLACEMENT - AQUIA WASTEWATER TREATMENT FACILITY

Total Project Cost: \$2,034,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of sludge dewatering centrifuges

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Maintains reliability of the wastewater treatment facility.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	965,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,069,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$965,000	\$1,069,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	965,000	1,069,000	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$965,000	\$1,069,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALLS RUN PUMP STATION REPLACEMENT

Total Project Cost: \$4,562,000

Est. Opening Date: 2021

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Current pump station is rated at 9.4 MGD. Replacement station would be rated at 15.5 MGD. Additional capacity will be needed to accommodate flows from the Southern Gateway and Falmouth Redevelopment Areas. This project will convey increased wastewater volumes from the Warrenton Road corridor to the Claiborne Run Pump Station and ultimately to the Little Falls Run Wastewater Treatment Facility.

OPERATING IMPACT SUMMARY

This project will provide the additional capacity necessary to handle increased wastewater flows from the Southern Gateway UDA and the Falmouth Redevelopment Area.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	280,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	4,282,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	140,000	2,141,000	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	140,000	2,141,000	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALLS RUN SEWER INTERCEPTOR REPLACEMENT - PHASE 2

Total Project Cost: \$7,111,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

Project includes corrective work and upgrades to the sewer interceptor under I-95 in FY15 and replacement of 13,100 linear feet of 12" and 15" gravity sewer main along Falls Run with 24" pipe from the terminus of the 30" main near Stanstead Road near I-95 to the vicinity of Pennsbury Court in Cardinal Forest. The existing sewer interceptor was constructed in the 1970s of materials susceptible to hydrogen sulfide damage, a constituent commonly found in sewer systems. Changes in stream alignment have left some sections of the existing sewer interceptor exposed and/or subject to wash-out from high stream flow events. Upgrade will provide additional capacity for flows from the Southern Gateway Redevelopment Area. This project will provide additional capacity for future development west of I-95 and will also substantially reduce the likelihood of pipe failure and subsequent pollution of Falls Run.

OPERATING IMPACT SUMMARY

Any additional development to the west of Cardinal Forest will necessitate replacement of the upper portion of the Falls Run Sewer Interceptor to increase the pipe size and capacity. The project will be funded with water and sewer revenue bond proceeds.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	1,200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	362,000	5,549,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,200,000	\$0	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	1,200,000	0	362,000	5,549,000	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,200,000	\$0	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	27,829	454,415	454,415	454,415	454,415	454,415	454,415	454,415
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$27,829	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415

AUSTIN RUN GRAVITY SEWER REPLACEMENT

Total Project Cost: \$5,120,000

Est. Opening Date: 2020

PROGRAM DESCRIPTION

Replace 3,550 feet of existing asbestos cement sewer pipe with 36" diameter sewer adjacent to Austin Run. (General Sewer Improvement Plan Project A-18)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The Water and Sewer Master Plan recommends replacing this section of aging pipe operating near capacity with new pipe of modern materials and sized for buildout conditions to reduce chances of failure and meet expected commercial and residential demands from the service area along Route 610. The upgrade is also needed to accommodate increased flows expected from the Camp Barrett area of Quantico.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	314,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	4,666,000	0	0	0	0	0
Contingency	0	0	0	0	0	140,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	4,519,000	0	0	0	0	0
ProRata Fees	0	0	0	0	157,000	143,500	0	0	0	0	0
Availability Fees	0	0	0	0	157,000	143,500	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	347,403	347,403	347,403	347,403	347,403
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$347,403	\$347,403	\$347,403	\$347,403	\$347,403

AUSTIN RUN GRAVITY SEWER REPLCMNT THROUGH STAFFORD VILLAGE

Total Project Cost: \$385,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of 1,850 LF of existing undersized 10" gravity sewer with 18" gravity sewer to accommodate commercial growth along the Garrisonville Road corridor.



OPERATING IMPACT SUMMARY

The purpose of the project is to promote economic growth along Garrisonville Road corridor.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	85,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	300,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$85,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	85,000	300,000	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$85,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

LITTLE FALLS RUN WWTF - THIRD TREATMENT TRAIN

Total Project Cost: \$16,608,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Upgrade and expand facility to provide a firm 8 mgd capacity - the ability to treat up to 8 million gallons per day with one entire treatment train out of service. Denitrification tanks will be constructed to meet nutrient discharge limits at higher flow rates. With the addition of additional aeration capacity, the facility can potentially be increased to a capacity of 10 mgd like the Aquia WWTF.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Will enable treatment facility to accommodate future flow increases and enhance the reliability of the facility.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	1,018,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	15,136,000	0	0	0
Contingency	0	0	0	0	0	0	0	454,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	15,590,000	0	0	0
ProRata Fees	0	0	0	0	0	0	509,000	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	509,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	1,198,499	1,198,499	1,198,499
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,198,499	\$1,198,499	\$1,198,499

OLDE CONCORD TO WAYSIDE 18" GRAVITY CONSTRUCT

Total Project Cost: \$1,350,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include This project includes design and construction of an 18-inch gravity main along unnamed tributary from Olde Concord Road to interceptor along Jefferson Davis Highway near Carnaby Street (5,833 feet). The purpose of the project is to serve future customers east of Jefferson Davis Highway near Somerset Lane. The timing for construction of this project is dependent on the timing of flows in this area which is anticipated to be in the near-term (through 2010). The force main from the Courthouse PS should be connected to this 18-inch gravity main in the future to alleviate future capacity issues associated with the gravity sewers downstream of the existing force main serving the Courthouse PS. In the future, this project will convey flows from the force main serving the Lower Accokeek PS.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	150,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,200,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$150,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	1,200,000	0	0	0	0	0	0	0	0	0
ProRata Fees	75,000	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	75,000	0	0	0	0	0	0	0	0	0	0
Total	\$150,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	92,251	92,251	92,251	92,251	92,251	92,251	92,251	92,251	92,251
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$92,251	\$92,251	\$92,251	\$92,251	\$92,251	\$92,251	\$92,251	\$92,251	\$92,251

Construct Lower Accokeek PS

Total Project Cost: \$2,400,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:

Construct Lower Accokeek PS



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	100,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,300,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$2,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	2,300,000	0	0	0	0	0	0	0	0	0
ProRata Fees	100,000	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$2,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	176,815	176,815	176,815	176,815	176,815	176,815	176,815	176,815	176,815
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815

18"GRAVITY ACCOKEEK CREEK PS

Total Project Cost: \$1,585,000

Est. Opening Date: 2018

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
Construct 18-inch gravity main along Accokeek Creek from vicinity of Jumping Branch Road to Lower Accokeek PS (4,737 feet)



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	100,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,050,000	435,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$1,050,000	\$435,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	100,000	1,050,000	435,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$1,050,000	\$435,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	7,688	88,408	121,849	121,849	121,849	121,849	121,849	121,849	121,849	121,849
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$7,688	\$88,408	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849

CONSTRUCT LOWER ACCOKEEK FM TO EXISTING SEWER

Total Project Cost: \$1,600,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
Construct 18-inch gravity main along unnamed tributary from Olde Concord Road to interceptor along Jefferson Davis Highway near Carnaby Street (5,833 feet)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	200,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,400,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,400,000	0	0	0	0	0	0	0	0
ProRata Fees	0	200,000	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

8"GRAVITY TRUNK SE QUADRANT

Total Project Cost: \$580,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
8" Gravity Trunk Sewer to serve Economic Dev in SE quadrant.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	580,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	580,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000

8" EXTENSION of EX GRAVITY FROM HOSPITAL TO PS

Total Project Cost: \$1,000,000 **Est. Opening Date:** 2018

Total Project Cost: \$1,000,000 **Est. Opening Date:** 2018

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:

8" Extension of ex gravity sewer downstream from hospital

- Water and Sewer Master Plan

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

[illegible]

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,000,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	76,876	76,876	76,876	76,876	76,876	76,876	76,876	76,876
Revenue/Savings	0	0	0	(125,355)	(127,862)	(130,420)	(133,028)	(135,688)	(138,402)	(141,170)
Total	\$0	\$0	\$76,876	(\$48,479)	(\$50,986)	(\$53,544)	(\$56,152)	(\$58,812)	(\$61,526)	(\$64,294)

ROWSER 10" GRAVITY LINE

Total Project Cost: \$175,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

This project includes design and construction of a 10-inch gravity main from Rowser PS to interceptor along Accokeek Creek (626 feet). The purpose of the project is to eliminate the Rowser PS and serve future customers downstream of the Rowser PS.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	175,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	175,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	13,453	13,453	13,453	13,453	13,453	13,453	13,453	13,453
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453

WYCHE ROAD 12" GRAVITY LINE

Total Project Cost: \$350,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

This project includes design and construction of a 12-inch gravity main along unnamed tributary to Accokeek Creek from Wyche Road PS to interceptor along Accokeek Creek (1,638 feet). The purpose of the project is to eliminate the Wyche Road PS and serve future customers downstream of the Wyche Road PS.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	350,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	350,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	26,907	26,907	26,907	26,907	26,907	26,907	26,907	26,907
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907

VENTURE ROAD TO WYCHE ROAD PS 12" GRAVITY REPLACEMENT

Total Project Cost: \$200,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include replacing the 8-inch with 12-inch gravity main from Venture Road to Wyche Road PS (1,190 feet)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	200,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	200,000	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

8" EXTENSION OF EX GRAVITY SEWER

Total Project Cost: \$260,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
8" Extension of ex gravity sewer upstream from hospital.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	260,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	260,000	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

POTOMAC CREEK PUMP STATION & FORCE MAIN REPLACEMENT

Total Project Cost: \$4,657,000

Est. Opening Date: 2021

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of the existing pumping station with a new 4.34 million gallon per day station and replacement of the existing force main with 16" force main. (General Sewer Improvement Projects LFR-129 and LFR-226) The Water and Sewer Master Plan recommends increasing the capacity of the existing facilities to handle buildout flows.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Additional wastewater pumping and transmission capacity is necessary to serve the commercial and residential development.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	155,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	2,251,000	2,251,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$155,000	\$2,251,000	\$2,251,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	77,500	1,125,500	1,125,500	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	77,500	1,125,500	1,125,500	0	0	0	0	0
Total	\$0	\$0	\$0	\$155,000	\$2,251,000	\$2,251,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SEWER EXTENSION PROJECTS

Total Project Cost: \$3,012,000

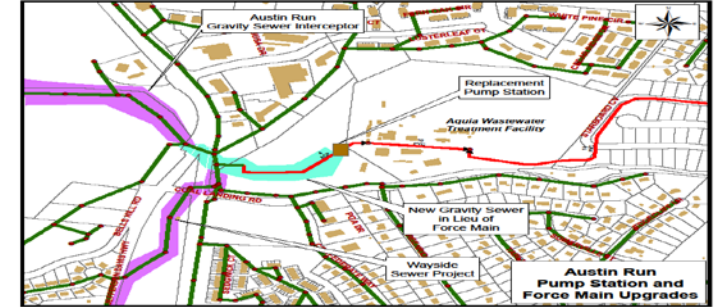
Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Short Sewer Extension Projects, Neighborhood Projects, and Large Scale Projects that qualify for the extension of sewer service under the County's Water & Sewer Line Extension Policy (R10-217).

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides a solution for residents with on-site septic systems who may be experiencing drainfield problems.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	320,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$320,000

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	320,000
Total	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$320,000

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMALL SEWER PROJECTS

Total Project Cost: \$785,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

1. Bosun Cove / Brentsmill Sewer - gravity sewer line that will eliminate one pump station in Aquia Harbour - \$178,000 in FY17
2. Denrich / Brentsmill Sewer - gravity sewer line that will eliminate pump station adjacent to Widewater Elementary School - \$250,000 in FY17
3. Claiborne Run Interceptor - Replacement of 650 feet of Gravity Sewer in the upper reach of the Claiborne Run Sewer Interceptor - larger pipe needed to accommodate growth - \$347,000 in FY16

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

These projects will take advantage of VDOT initiatives to minimize project costs and reduce future impacts on the roads. In addition, two of these projects will eliminate pump stations and the related O&M costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	347,000	438,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$347,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	219,000	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	347,000	219,000	0	0	0	0	0	0	0	0	0
Total	\$347,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECTS

Total Project Cost: \$2,750,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Ongoing rehabilitation program for the County's 415 miles of gravity sewers, 55 miles of pump station force mains, and 14 miles of low pressure sewer lines. Program systematically provides upgrades to reduce the amount of inflow of surface water and infiltration of groundwater into the sanitary sewer system. The program also seeks to identify and replace deteriorated conditions before catastrophic failures can occur. Reductions in inflow and infiltration can reduce the current treatment capacities needed at the two wastewater treatment facilities and provide additional capacity for growth without requiring upgrades to the wastewater collection and/or treatment systems.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This project will replace or repair aging and deteriorated sewer infrastructure to enhance the overall reliability of the wastewater collection system.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER PUMP STATION REHABILITATION PROGRAM

Total Project Cost: \$2,750,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Ongoing rehabilitation program for the County's 89 wastewater pump stations. Program systematically upgrades all outdated pumping stations with modern mechanical, electrical and control equipment. This program reinforces the County's efforts to minimize the chances for sewage overflows or spillages due to failure of one of its pump stations. Redundant equipment is installed to provide additional reliability and alarms are maintained to provide notice of an impending problem in order that it can be corrected prior to any overflow or spillage of sewage.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

This program will enhance the reliability and extend the life of our wastewater pump stations to lessen the chance of system failures and potential overflows.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER PUMP STATION REPLACEMENTS

Total Project Cost: \$6,468,410

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

This program will identify and replace wastewater pump stations based on condition and/or capacity issues to prevent the likelihood of pump station failures, sewage overflows, etc. Each year the stations in need of replacement will be prioritized and addressed as funding is available.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

A number of the wastewater pump stations have exceeded their expected useful lives due to rehabilitation performed by our mechanics. However, this is not sustainable, and these stations will soon need to be replaced due to condition and/or capacity issues. Failure to address these issues in a timely manner will result in mechanical failures, sewage overflows, and potential fines from the regulatory agencies.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	1,000,000	1,030,000	1,060,900	1,092,727	1,125,509	1,159,274
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,030,000	\$1,060,900	\$1,092,727	\$1,125,509	\$1,159,274

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	500,000	515,000	530,450	546,364	562,755	579,637
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	500,000	515,000	530,450	546,364	562,755	579,637
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,030,000	\$1,060,900	\$1,092,727	\$1,125,509	\$1,159,274

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WAYSIDE SEWER INTERCEPTOR REPLACEMENT

Total Project Cost: \$2,923,000

Est. Opening Date: 2020

PROGRAM DESCRIPTION

Replacement of 3,017 feet of existing undersized 10" asbestos cement sewer line. The Water & Sewer Master Plan recommends replacing the existing 10" line with a new 18" diameter line along the wayside between Austin Run south to Allatoona Lane to accommodate growing commercial demands in the central Stafford area (Project A-14)+C83

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The project will serve future customers along the Jefferson Davis Highway corridor south of Aquia WWTP.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	179,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	2,744,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	89,500	1,372,000	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	89,500	1,372,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

HILLDRUP'S PUMP STATION REPLACEMENT

Total Project Cost: \$1,514,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Construct a new pump station at Quantico Corporate Center to accommodate existing flows as well as new flows from prospective customers such as data centers, corporate office complexes, etc. Pump station needs to be sized for current 100,000 gallons per day plus 500,000 gallons per day for a data center plus another 100,000 gallons per day for future office space. That equates to a pump station capacity of 1,700 gallons per minute using our current 3.5 peaking factor. A new and larger emergency generator will also be required.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Replacement of the existing Hilldrup's Pump Station is a key need to accommodate continued growth in Quantico Corporate Center.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	175,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,339,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$175,000	\$1,339,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	58,000	1,339,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	117,000	0	0	0	0	0	0	0	0	0	0
Total	\$175,000	\$1,339,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	102,937	102,937	102,937	102,937	102,937	102,937	102,937	102,937	102,937
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$102,937	\$102,937	\$102,937	\$102,937	\$102,937	\$102,937	\$102,937	\$102,937	\$102,937

HILLDRUP'S PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$1,199,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

Replacement of the existing 8-inch diameter force main from the Hilldrup's Pump Station is needed to accommodate construction of a new pump station at Quantico Corporate Center. The new force main needs to be 16 inches in diameter and about 8,400 feet long. At an estimated cost of \$125 per foot, the new force main will cost about \$1,050,000.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Replacement of the existing Hilldrup's Pump Station is a key need to accommodate continued growth in Quantico Corporate Center. In order to handle the increased flow, the 8-inch diameter force main from the pump station to the gravity sewer needs to be replaced with a 16-inch diameter line.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	74,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,125,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$74,000	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	1,125,000	0	0	0	0	0	0	0	0	0
ProRata Fees	37,000	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	37,000	0	0	0	0	0	0	0	0	0	0
Total	\$74,000	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	86,486	86,486	86,486	86,486	86,486	86,486	86,486	86,486	86,486
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$86,486	\$86,486	\$86,486	\$86,486	\$86,486	\$86,486	\$86,486	\$86,486	\$86,486

ROUTE 1 SEWER (HIDDEN VALLEY TO POTOMAC HILLS)

Total Project Cost: \$3,600,000

Est. Opening Date: 2,018

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replace 5,600 LF of existing undersized 10 Asbestos Cement gravity sewer with 30" gravity sewer to accommodate commercial growth in the Boswell's Corner area.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of this project is to promote economic and commercial growth in the area.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	200,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	3,400,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	200,000	1,398,000	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	2,002,000	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	15,375	122,848	122,848	122,848	122,848	122,848	122,848	122,848	122,848
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$15,375	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848

AQUIA CREEK FORCE MAIN REPLACEMENT

Total Project Cost: \$2,589,346

Est. Opening Date: 2019

PROGRAM DESCRIPTION

This project will replace the force mains from the Aquia Creek pump station to Aquia Drive, and from the Aquia at the Bridge pump station to Starboard Cove Lane.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of this project is to increase the conveyance capacity and provide needed replacement of deteriorated lines.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	2,589,346	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$2,589,346	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	2,386,846	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	\$0	\$0	\$0	\$202,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$2,589,346	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	(183,492)	(183,492)	(183,492)	(183,492)	(183,492)	(183,492)	(183,492)
Revenue/Savings		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$0	\$0	\$0	(\$183,492)	(\$183,492)	(\$183,492)	(\$183,492)	(\$183,492)	(\$183,492)	(\$183,492)

AQUIA CREEK PS EXPANSION

Total Project Cost: \$2,762,295

Est. Opening Date: 2018

PROGRAM DESCRIPTION

This project includes expansion of the Aquia Creek PS from 2.88 mgd to 4.68 mgd.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Flow projections and modeling indicate that the pumping station will have insufficient capacity to meet near-term flows. .



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,762,295	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,762,295	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,173,795	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	1,588,500	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,762,295	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	90,237	90,237	90,237	90,237	90,237	90,237	90,237	90,237
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237

AUSTIN RUN INTERCEPTOR SECTION REPLACEMENT

Total Project Cost: \$11,979,500

Est. Opening Date: 2026

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

This project includes replacement of the existing 10-inch and 12-inch with 18-inch gravity main along Garrisonville Road and unnamed tributary to Whitsons Run from Onville Road to interceptor along Whitsons Run (5,050 feet). This project also includes replacement of the existing 18-inch with 24-inch gravity main along Whitsons Run from vicinity of Highpointe Boulevard to interceptor along Austin Run (6,890 feet).



OPERATING IMPACT SUMMARY

The purpose of the project is to increase the conveyance capacity of the existing gravity mains to handle flows from Quantico Marine Corps Base.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	3,800,000	3,990,000	4,189,500
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,800,000	\$3,990,000	\$4,189,500

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	1,511,557	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	2,288,443	3,990,000	4,189,500
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,800,000	\$3,990,000	\$4,189,500

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	116,203	116,203
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$116,203	\$116,203

CAMP BARRETT SPS FM

Total Project Cost: \$1,595,569

Est. Opening Date: 2022

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

This project will replace the Camp Barrett force main from the Camp Barrett pump station to Garrisonville Road.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of the project is to increase the conveyance capacity of the existing force main to handle flows from Quantico Marine Corps Base.

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	1,595,569	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,595,569	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	1,595,569	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,595,569	\$0	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Utilities Other

Stafford County FY17 Proposed Budget

Projects	Prior Funding	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Total CIP (FY17-26)	Later Years Funding	Total Project Cost
Stafford County Complex	0	0	0	0	0	0	423,000	6,484,000	0	0	0	6,907,000	0	6,907,000
Vehicles & Equipment Replacements	350,000	475,000	675,000	879,000	891,000	443,000	426,000	662,000	383,000	458,000	400,000	5,692,000	0	6,042,000
Contingency Allowance	918,950	1,130,800	1,143,000	1,377,000	585,700	452,200	315,800	2,632,300	362,500	155,200	185,300	8,339,800	0	9,258,750
Total	\$1,268,950	\$1,605,800	\$1,818,000	\$2,256,000	\$1,476,700	\$895,200	\$1,164,800	\$9,778,300	\$745,500	\$613,200	\$585,300	\$20,938,800	\$0	\$22,207,750

STAFFORD COUNTY COMPLEX

Total Project Cost: \$6,907,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Funding is included in the planning period to evaluate and potentially construct facilities on land owned by the County near the regional jail for use by Fire & Rescue, Parks and Recreation and the Department of Utilities. For the Department of Utilities, the need would be for additional area to store pipe and other materials and enhance our ability to make bulk purchases and achieve cost savings. Space is also needed to provide indoor storage for the vac trucks to prevent freezing issues in cold weather. In addition, centralized office space is needed to consolidate operations and eliminate the need to lease office space.

OPERATING IMPACT SUMMARY

Cost savings will include approximately \$215,000 per year to lease office space plus additional cost savings derived from the ability to make larger quantity purchases of pipe and other repair and maintenance supplies at reduced unit prices.

PROJECT COSTS



Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	423,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	6,484,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$423,000	\$6,484,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	3,676,000	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	423,000	2,808,000	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$423,000	\$6,484,000	\$0	\$0	\$0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	282,597	282,597	282,597
Revenue/Savings	0	0	0	0	0	0	(133,028)	(135,688)	(138,402)	(141,170)
Total	\$0	\$0	\$0	\$0	\$0	\$0	(\$133,028)	\$146,909	\$144,195	\$141,427

VEHICLES AND EQUIPMENT REPLACEMENTS

Total Project Cost: \$6,042,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of vehicles and major pieces of equipment due to high mileage, excess repair and maintenance costs, or condition issues.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

These vehicles and equipment allow us to respond in a timely manner to address problems in the water distribution and wastewater collection system. When they are needed, they must be ready to go.



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	350,000	475,000	675,000	879,000	891,000	443,000	426,000	662,000	383,000	458,000	400,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$350,000	\$475,000	\$675,000	\$879,000	\$891,000	\$443,000	\$426,000	\$662,000	\$383,000	\$458,000	\$400,000

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	350,000	475,000	675,000	879,000	891,000	443,000	426,000	662,000	383,000	458,000	400,000
Total	\$350,000	\$475,000	\$675,000	\$879,000	\$891,000	\$443,000	\$426,000	\$662,000	\$383,000	\$458,000	\$400,000

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CONTINGENCY ALLOWANCE

Total Project Cost: \$9,258,750

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Funding is included in the planning period to provide contingent allowance for all capital projects.

OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	918,950	1,130,800	1,143,000	1,377,000	585,700	452,200	315,800	2,632,300	362,500	155,200	185,300
Total	\$918,950	\$1,130,800	\$1,143,000	\$1,377,000	\$585,700	\$452,200	\$315,800	\$2,632,300	\$362,500	\$155,200	\$185,300

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	918,950	1,130,800	1,143,000	1,377,000	585,700	452,200	315,800	2,632,300	362,500	155,200	185,300
Total	\$918,950	\$1,130,800	\$1,143,000	\$1,377,000	\$585,700	\$452,200	\$315,800	\$2,632,300	\$362,500	\$155,200	\$185,300

Operating Impacts		FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		0	0	0	0	0	0	0	0	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0